

SENIOR TRAFFIC ENGINEER

DEFINITION

Under direction, to plan, organize, supervise, and perform traffic engineering; and perform related work as required.

ESSENTIAL FUNCTIONS

Prepares and supervises the preparation and/or review of plans, specifications, and estimates for traffic system projects; prepares, reviews, and researches materials for the preparation of various reports; performs analyses and computations of traffic impacts from development projects; prepares reports on traffic engineering matters, such as accident analyses, traffic volume, speed studies, and pedestrian and bicycle studies; reviews and evaluates traffic and parking studies; reviews and recommends modifications and alternatives to contract documents and change orders; manages the construction, operation, and contractual requirements of various traffic system projects, including traffic signals, communications systems, traffic signs, and pavement markings; coordinates and communicates with various sections related to roadway projects and programs; prepares staff reports; presents and represents staff before the City Council and other boards, commissions, and committees; supervises, trains, and evaluates employees; makes effective recommendations regarding hiring, promotions, and transfers; effectively recommends disciplinary action as needed, up to and including termination; drives on City business.

MINIMUM QUALIFICATIONS

Employment Standards:

- Knowledge of - the principles and practices of traffic and transportation engineering; traffic laws and regulations; standard manuals and standards related to traffic, including the Manual of Uniform Traffic Control Devices, Caltrans Design Manual, and Caltrans Standard Plans and Specifications; principles and practices of budgeting and cost control; proper English usage, spelling, grammar, and punctuation in order to effectively perform the essential functions of this position (this is not a language restriction as defined in California Government Code Section 12951); principles and practices of sound personnel management and supervision.
- Skill in – interpreting specifications, plans, and drawings; field engineering methods; making accurate engineering computations; the use of AutoCAD.
- Ability to – organize and conduct traffic surveys and analyze traffic problems; understand and accurately respond to technical traffic and transportation engineering questions; prepare comprehensive reports, specifications, grant applications, and correspondences; prepare, monitor, and manage projects and project budgets; accept assignments, and plan, layout, and direct the work of subordinates; analyze and interpret documents and materials; prepare clear, comprehensive, and complex reports and recommendations; maintain accurate records; develop, implement, and manage long-range projects and programs; communicate effectively, both orally and in writing; make oral presentations; work independently with minimal supervision and direction; practice sound personnel management and supervision; establish and maintain effective working relationships with supervisors, fellow employees, and the public.

Education/Training: Any combination of education and/or experience that has provided the knowledge, skills, and abilities necessary for acceptable job performance as determined by the City. Example combination includes, but is not limited to graduation from an accredited college or university with a Bachelor's degree in Civil Engineering with an emphasis on Traffic Engineering or Traffic Systems; four years of professional civil engineering experience, of which two years are in the field of Traffic Engineering design, planning, and operations.

Licenses & Certificates: A valid California Class "C" driver's license or equivalent, and registration in the State of California as a Professional Civil or Traffic Engineer is required at the time of appointment and throughout period of employment.

Special Conditions & Requirements: The physical ability to walk on uneven work surfaces, and stand or sit to effectively discharge the essential functions of this position.

SUPPLEMENTAL INFORMATION

None.